

Oxyphedrine

S-(2-(ethylsulfinyl)ethyl) ester [2497-07-6]

Oxyphedrine

See *Benzenemethanol*, 4-hydroxy- α -(1*R*)-1-(methylamino)ethyl-, (α S)-rel- [365-26-4]

Oxyester

See also *Polyesters*

Oxyfagaridine

See [1,3]Benzodioxolo[5,6-*c*]phenanthridin-13(12*H*)-one, 1-hydroxy-2-methoxy-12-methyl- [98325-16-7]

Oxyfedrine

See 1-Propanone, 3-[(1*S*,2*R*)-2-hydroxy-1-methyl-2-phenylethyl]amino]-1-(3-methoxyphenyl)- [15687-41-9]

Oxyfenamate

See 1,2-Butanediol, 2-phenyl-, 1-carbamate [50-19-1]

Oxyferol

See 1-Butanamine, 1,1,2,2,3,3,4,4,4-nonafluoro-*N*-, *N*-bis(nonafluorobutyl)- [311-89-7]

Oxyfluorfen

See *Benzene*, 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)- [42874-03-3]

Oxyfrullanolide

See *Naphtho*[1,2-*b*]furan-2(3*H*)-one, decahydro-9a-hydroxy-5a-methyl-3,9-bis(methylene)-, (3*aR*,5*aS*,9*aS*,9*bS*)- [62870-71-7]

Oxyfume

See *Oxirane* [75-21-8]

Oxygambirtannine

See *Benz*[*g*]indolo[2,3-*a*]quinolizine-1-carboxylic acid, 5,7,8,13-tetrahydro-5-oxo-, methyl ester [18110-97-9]

Oxygen

See also *Oxygenation*

consumption or demand for, of natural waters and wastewater

see also

Wastewater

Wastewater treatment

Waters

ion (O^{2-}) — see *Oxide* [16833-27-5]

ion (O_2^{1-}) — see *Superoxide* [11062-77-4]

ion (O_2^{1+}) — see *Dioxygenyl ion* [12185-07-8]

ion (O_3^{1-}) — see *Ozonide* [12596-80-4]

isotope of mass 15 (O^{15}) — see *Oxygen*, mol. ($O^{15}O$) [22067-92-1]

mol. (O_3) — see *Ozone* [10028-15-6]

Oxygen, analysis

BOD detn. of — see also *Biochemical oxygen demand*

COD detn. of — see also *Chemical oxygen demand*

TOD detn. of — see also *Total oxygen demand*

Oxygen, biological studies

asphyxia from — see also *Asphyxia*

deficiency of, in high-altitude — see

also *Atmosphere (environmental)*, high-altitude

hyperoxia — see also *Hyperoxia*

hypoxia — see also *Hypoxia*, animal

in respiration

see also

Breathing (animal)

Respiration, animal

Respiration, microbial

Respiration, plant

respirators — see also *Respirators*

waste consumption or demand — see also *Wastes*

Oxygen, preparation

See also *Air*, sepn. of components of

Oxygen, processes

removal of

see also

Deoxidation

Hydrogenation

Reduction

removal of, from ferrous metals

see also

Casting process

Iron [7439-89-6], preparation

Stainless steel [12597-68-1], preparation

Steel [12597-69-2], preparation

Oxygen, properties

bonds of, hydrogen-bridging — see also *Hydrogen bond*

magnetic resonance of

see also

NMR (nuclear magnetic resonance)

NMR spectroscopy

oxygen

overvoltage — see also *Overvoltage*

Oxygen, reactions

See also *Oxidation*

combustion by — see also *Combustion*

in corrosion — see also *Corrosion* and headings for

specific alloys and metals corroded

deoxidation — see also *Deoxidation*

detonation of mixts. contg. — see also *Detonation*

explosion of mixts. contg. — see also *Explosion*

flames — see also *Flame*

ignition of mixts. contg. — see also *Ignition*

ozone formation from — see also *Ozone*

[10028-15-6], preparation

Oxygen, uses

in steel manuf.

see also

Stainless steel [12597-68-1], preparation

Steel [12597-69-2], preparation

Oxygen, compounds

acids

see also such headings as

Acids

Amino acids

Carboxylic acids

Fatty acids

Sulfonic acids

heterocyclic compds. — see also *Heterocyclic compounds*, oxygen

compd. with hydrogen

see

Hydrogen peroxide (H_2O_2) [7722-84-1]

Hydroperoxo [3170-83-0]

Hydroxide [14280-30-9]

Hydroxyl [3352-57-6]

Water [7732-18-5]

compd. with positron — see such headings as *Positron*, leptonic mol. with oxygen ($e^+e^-O^0$) [12585-91-0]

Oxygenase

For related subclasses, see *E.C. 1.*

—, 5-hydroxymethyluracil di-

See *Oxygenase*, thymine di- [37256-67-0]

Oxygenation

Treatment with oxygen when the oxidation reaction

itself is not emphasized are indexed here.

Oxidation as a reaction is indexed at *Oxidation*

or, for coordinative addition of the oxygen

molecule, at *Addition reaction*, coordinative

See also related:

Aeration

Mixing

Oxidation

Oxygen consumption (animal)

See *Respiration*, animal

Oxygen consumption (microbial)

See *Respiration*, microbial

Oxygen consumption (plant)

See *Respiration*, plant

Oxygen converters

See *Converters (furnaces)*

Oxygen deficiency

See *Hypoxia*, animal

Oxygen diffusion

Valid heading during volumes 126-130 (1997-June

1999) only

See

Diffusion

oxygen

Oxygen [7782-44-7]

diffusion

Oxygen fugacity

Valid heading during volumes 126-130 (1997-June

1999) only

See

Fugacity

oxygen

Oxygen [7782-44-7]

fugacity

Oxygen heterocycles

Valid heading during volumes 128-130 (1998-June

1999) only

See *Heterocyclic compounds*, oxygen

Oxygen index

See also related: *Flammability*

Oxygen metabolism

Valid heading during volumes 126-130 (1997-June

1999) only

See

Oxygen [7782-44-7]

metab.

Respiration, animal

Respiration, microbial

Respiration, plant

Oxygen sensors

Valid heading during volumes 126-130 (1997-June

1999) only

See

Oxygen [7782-44-7]

sensors

Sensors

oxygen

Oxygen steelmaking

Valid heading during volumes 126-130 (1997-June

1999) only

See *Steel* [12597-69-2], oxygen steelmaking

Oxygent

See *Octane*, 1-bromo-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-

heptadecafluoro- [423-55-2]

Oxyglucocycline

See *D-Glucose*, 2-deoxy-2-[[[[(4*S*,4*aR*,5*S*,5*aR*,6*S*,12*aS*)-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthaceny]carbonyl]-amino]methyl]methylamino]- [11140-93-5]

Oxyglutinosone

See 2(3*H*)-Naphthalenone, 4,4a,5,6,7,8-hexahydro-3,4a-dihydroxy-4-methyl-6-(1-methyl-ethenyl)-, (3*R*,4*R*,4*aR*,6*R*)- [69297-50-3]

Oxy 68HC

See *Ethene*, chloro-, polymers, homopolymer

[9002-86-2]

Oxy 75HC

See *Ethene*, chloro-, polymers, homopolymer

[9002-86-2]

Oxy 80HC

See *Ethene*, chloro-, polymers, homopolymer

[9002-86-2]

Oxyheliotridane

See 1*H*-Pyrrolizin-1-ol, hexahydro-7-methyl-, (1*S*,7*S*,7*aR*)- [6029-74-9]

Oxyhemoglobins

Valid heading during volumes 126-130 (1997-June

1999) only

See *Hemoglobins*, oxyhemoglobins

Oxyhumulinic acid

See 2-Cyclopenten-1-one, 3,4,5-trihydroxy-5-(3-methyl-2-butenyl)-2-(3-methyl-1-oxobutyl)- [469-30-7]

Oxyhydrastinine

See 1,3-Dioxolo[4,5-*g*]isoquinolin-5(6*H*)-one, 7,8-dihydro-6-methyl- [552-29-4]

Oxyhyponitrous acid

See *Hyponitric acid* [18550-55-5]

Oxyisocyclointegrin

See 8*H*-[1]Benzopyrano[3,2-*d*][1]benzoxepin-8-one, 6,7-dihydro-3,9-dihydroxy-6-(1-hydroxy-1-methylethyl)-11-methoxy- [60791-47-1]

Oxyisoterhanine

See [1,3]Benzodioxolo[5,6-*c*]phenanthridin-13(12*H*)-one, 3-hydroxy-2-methoxy-12-methyl- [11154-44-0]

Oxykhom

See *Acetamide*, *N*-(2,6-dimethylphenyl)-2-methoxy-*N*-(2-oxo-3-oxazolidinyl)-, mixt. with copper chloride oxide hydrate [93746-30-6]

3-Oxykoaburagenin

See 2*H*-1-Benzopyran-3,5,7-triol, 3,4-dihydro-2-phenyl-, (2*R*-trans)- [40951-67-5]

OXY 220LG

See *Ethene*, chloro-, polymers, homopolymer

[9002-86-2]

Oxylidine

See 1-Azabicyclo[2.2.2]octan-3-ol, benzoate (ester),

hydrochloride [7348-26-7]

Oxylignin

See *Lignin* [9005-53-2], oxidized

Oxylin

See *Card*-20(22)-enolide, 3-[(O-2,6-dideoxy-3-O-methyl- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-O-6-deoxy-3-O-methyl- β -D-glucopyranosyl-(1 \rightarrow 4)-O-2,6-dideoxy-3-O-methyl- β -D-ribo-hexopyranosyl-(1 \rightarrow 4)-2,6-dideoxy- β -D-ribo-hexopyranosyl)oxy]-14-hydroxy-, (3*a*,5*a*)- [132741-68-5]

Oxylopidine

See 5*H*-Indeno[1,2-*b*]pyridin-5-one, 8-hydroxy-3,7-dimethoxy-4-methyl- [101899-52-9]

Oxylopine

See 5*H*-Indeno[1,2-*b*]pyridin-5-one, 9-hydroxy-8-methoxy-4-methyl- [112368-57-7]

Oxylopinine

See 9*H*-Indeno[2,1-*b*]pyridin-9-one, 6-hydroxy-4-methyl- [101899-53-0]

Oxylubimin

See *Spiro*[4.5]decane-6-carboxaldehyde, 8,9-dihydroxy-10-methyl-2-(1-methylethenyl)-, (2*R*,5*S*,6*S*,8*R*,9*R*,10*S*)- [55784-90-2]

Oxyluciferin (Cypridina)

See *Butanamide*, *N*-[3-[3-[(aminoiminomethyl)-amino]propyl]-5-(1*H*-indol-3-yl)pyrazinyl]-2-methyl- [17297-78-8]

Oxyluciferin (firefly)

See 6-Benzothiazolol, 2-(4-hydroxy-2-thiazolyl)- [24963-17-5]

Oxyluciferin (Renilla)

See *Benzeneacetamide*, *N*-[5-(4-hydroxyphenyl)-3-(phenylmethyl)pyrazinyl]- [50909-85-8]